Amendments to the Claims

This listing of claims will replace the originally filed claims in the application.

Listing of Claims:

Claims 1 – 4 (cancelled).

Claim 5 (currently amended):   A system for filling a cryogenic fluid storage tank from a mobile tank comprising a pressurized-fluid supply pump that can be connected via a filling hose to a fluid inlet of the storage tank, wherein the mobile tank comprises a pump control unit including a pressure sensor that can be connected to a pressure tapping of the storage tank via a secondary hose, said pressure sensor adapted to measure a pressure inside the storage tank and supply the measured pressure to a ~~and~~ programmable controller, said programmable controller being written with programmable logic allowing the pump to operate only when the pressure measured in the storage tank lies within a predetermined pressure range comprising three predetermined pressure sub-ranges, said programmable logic adapted to:

    i) compare the measured pressure to the predetermined pressure sub-ranges each of which has a minimum pressure and a maximum pressure,

    ii) establish operation of the pump within one of said sub-ranges, and

    iii) trigger a safety shutdown of the pump if the maximum pressure of the established subrange is reached within the storage tank.

Claim 6 (previously presented):   The system of claim 5, wherein the control unit is connected to a secondary hose that can be connected selectively to the pressure tapping of the storage tank.

Claim 7 (previously presented):   The system of claim 5, wherein the filling hose comprises a manually-disengageable non-return valve device.

Claim 8 (previously presented):   The system of claim 5, wherein the cryogenic fluid is a gas from the air.

Claim 9 (currently amended):   The system of claim 5, wherein ~~said predetermined range comprises~~ <u>there are</u> three <u>predetermined pressure</u> sub-ranges.

Claim 10 (previously presented): The system of claim 9, wherein a first of said sub-ranges is from 0.5 to 5 bar, a second of said sub-ranges is from 6 to 15 bar, and a third of said sub-ranges is from 16 to 35 bar.

Claim 10 (previously presented): The system of claim 5, wherein said programmable logic allows the pump to start up with a delivery pressure corresponding to a lower limit of said range and triggers a safety shutdown of said pump if the upper limit of said range is reached in said storage tank.

Claim 11 (canceled)

Claim 12 (currently amended):   The system of claim [[11]] <u>5</u>, wherein said secondary hose is adapted such that said secondary hose cannot be kept under pressure when disonnected from the pressure tapping.